ABSTRACT

It is an object of the present invention is to provide a polylactic acid resin composition in which a crystal nucleator appropriate for accelerating crystallization of polylactic acid rein is added.

A polylactic acid resin composition comprising a polylactic acid resin, and a metal salt of a phosphorus compound of formula (I)

wherein R_1 and R_2 may be the same or different and are hydrogen atom, C_{1-10} alkyl or C_{1-10} alkoxycarbonyl, or a polylactic acid resin composition comprising a polylactic acid resin, and a metal salt of a phosphorus compound of formula (II)

$$\begin{array}{c|c} R_3 & O & R_5 \\ R_4 & OH & R_6 \end{array} \quad (\ II \)$$

wherein R_{3} , R_{4} , R_{5} and R_{6} may be the same or different and are hydrogen atom, C_{1-10} alkyl or C_{1-10} alkoxycarbonyl. The composition is excellent in heat resistance and forming processability.